



Lateral Connection Workshop Los Osos Wastewater Project

LOS OSOS MIDDLE SCHOOL

JANUARY 23, 2016

Mission Statement: Public Works will be a valued community partner enhancing quality of life for our fellow county residents



Interactive Workshop



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- ▶ Short presentation
- ▶ Talk with Contractors, County Staff and Central Coast Green Build
 - ▶ Ask specific questions
 - ▶ Review detailed information and handouts
 - ▶ Collect business cards
 - ▶ Schedule contractor visits for quotes



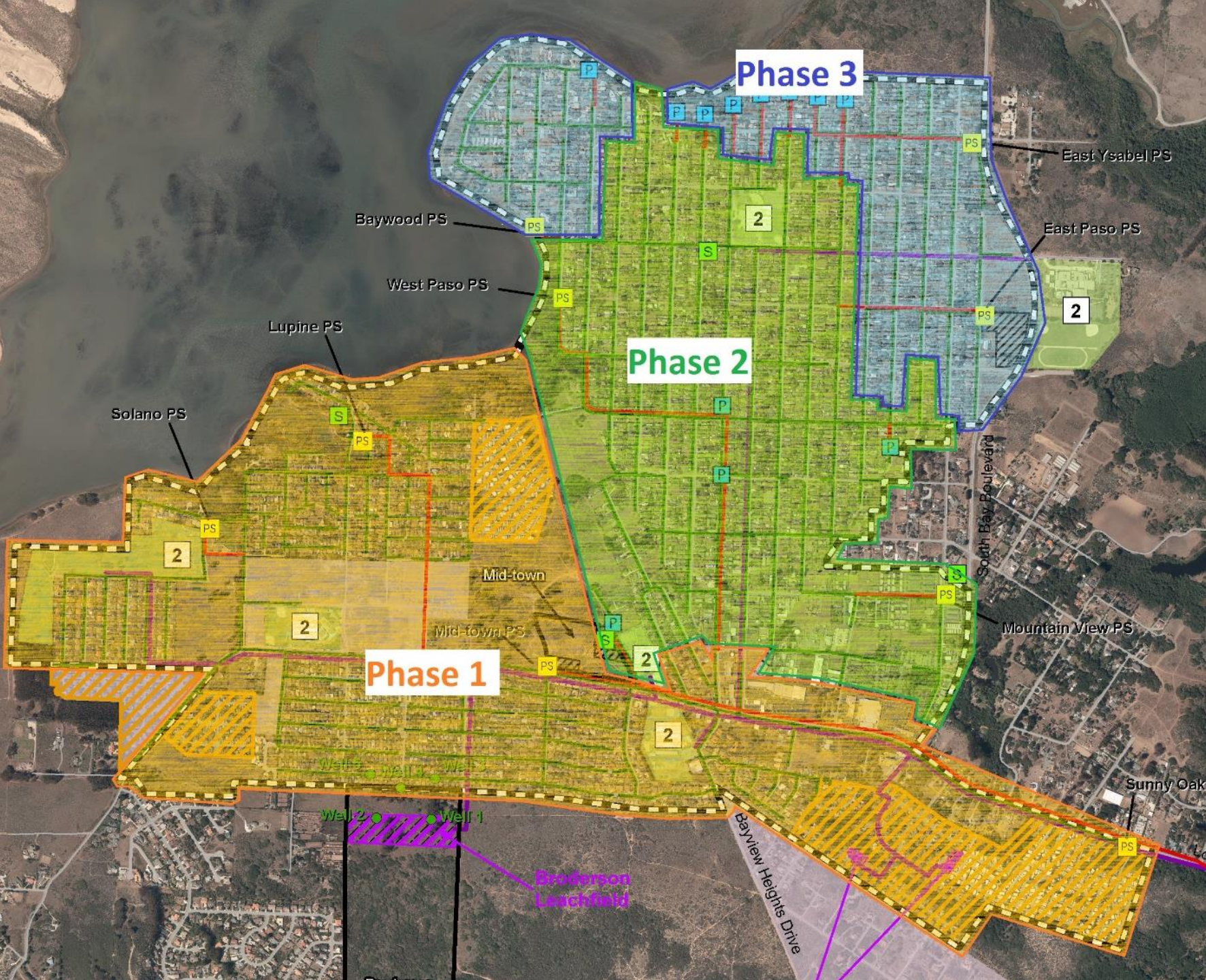


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Phase 1:
March - Sept

Phase 2:
June - Dec

Phase 3:
Sept - March



Lateral Connection Process

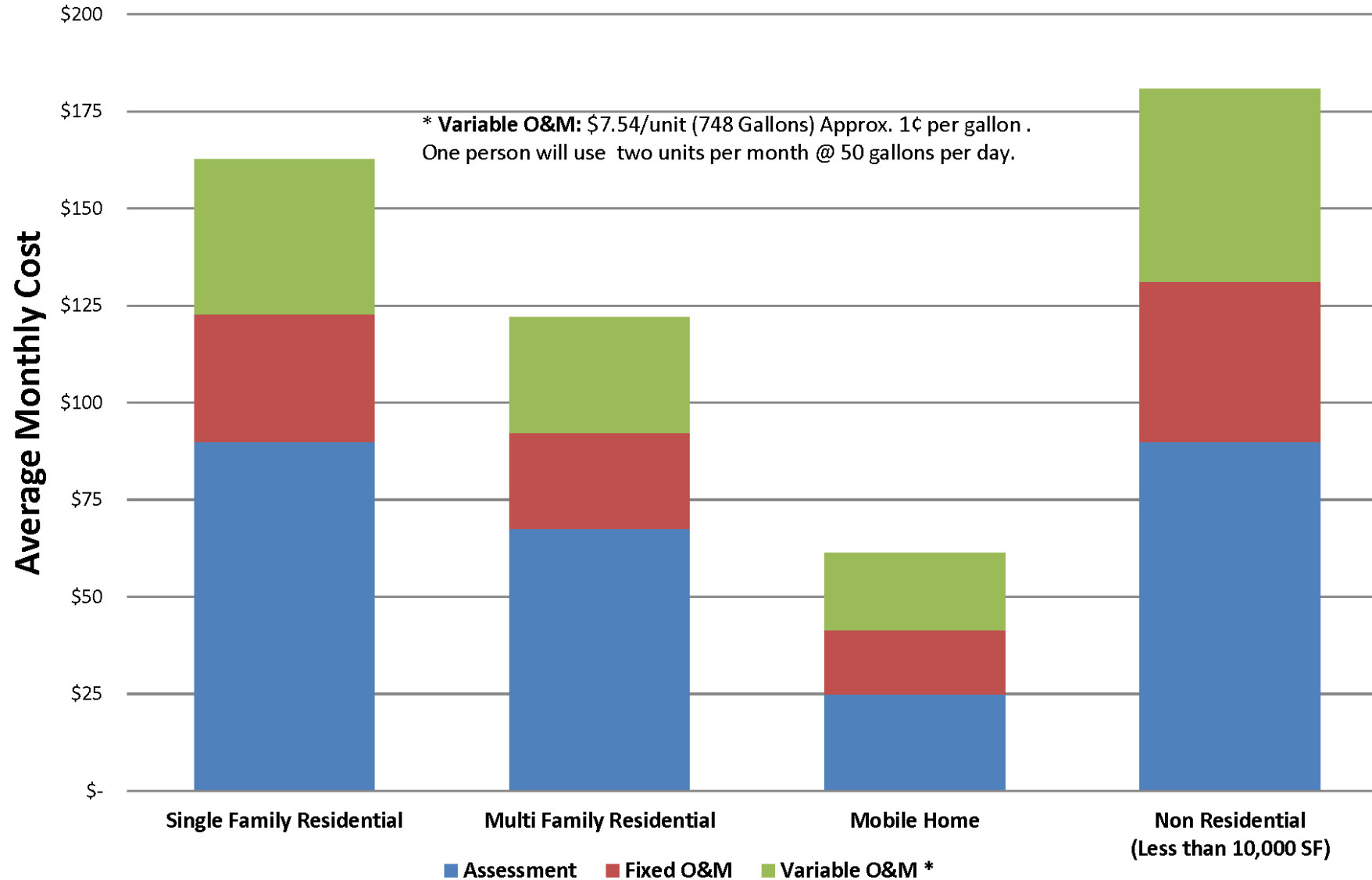


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- ▶ Obtain quotes and hire contractor
 - ▶ Use County list of interested contractors
 - ▶ Licensed, bonded, and environmental compliance training
- ▶ Contractor obtains permits per Building Code
 - ▶ Inspections for Health and Safety
- ▶ Lateral connected from house to stub-out at property line
- ▶ Septic system decommissioned
 - ▶ Convert for reuse options
 - ▶ Abandon in place



Los Osos Wastewater Project Average Estimated Monthly Cost



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Estimated Lateral Connection Costs



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- ▶ Lateral installation – including convert or abandon septic system
 - ▶ Median home approximately \$3,000
 - ▶ Cost will vary from \$2,000 to \$10,000+
- ▶ Lateral connection with grinder pump (if needed)
 - ▶ Estimates range from \$3,000 to \$9,000
 - ▶ Grinder pumps offset some lateral costs
- ▶ Seek competitive pricing – request quotes from multiple contractors



Financial Assistance



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- ▶ USDA 504 Program (Loan/Grant)
- ▶ Service Charges Assistance Program (20% Discount)
- ▶ Lateral Connection Funding (Grant)
- ▶ Property Tax Postponement Program (Loan)

2015 Median Household Income*

Household Size	1	2	3	4	5
Low Income (80% of MHI)	\$43,200	\$49,350	\$55,550	\$61,700	\$66,650

*Income Limits will be revised for 2016 and may be slightly higher.



Water Conservation Program

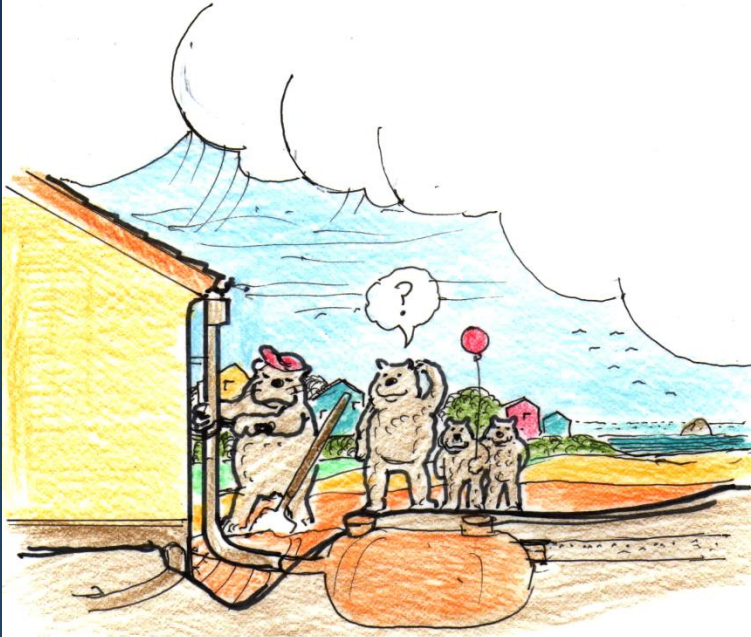


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Fixture Unit	Maximum Flow	Rebate Amounts
Toilets	1.6 gpf	\$250
Showerheads	2.0 gpf	\$40
Faucet Aerators – Residential	1.5 gpm	\$5
Faucet Aerators – Commercial	0.5 gpm	\$5
Urinals - Commercial	0.5 gpf	\$500



Use That Tank!



Contents:

WHY? <i>A Brief History of Los Osos' Water</i>	1-2
WHAT? <i>Options For Reusing Your Septic System</i>	3
HOW? <i>Ways to Design & Implement Your System</i>	10
WHEN? <i>Timing & Sequence for the Reuse Process</i>	13
HOW MUCH? <i>Analyzing the Economics of Your Options</i>	15
WHO? <i>Information & Consultation Resources</i>	back cover

Beneficial Reuse of Your Septic Tank and Disposal Field

For the Community of Los Osos, California



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Lateral Connection Steps



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STEP 1 Install new lateral from house to sewer stub-out

STEP 2 Abandon or convert the septic system



Abandonment



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PUMP OUT
THE TANK



CRUSH LID & BACKFILL,
OR REMOVE TANK



Conversion



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PUMP OUT
THE TANK



DISINFECT
THE TANK

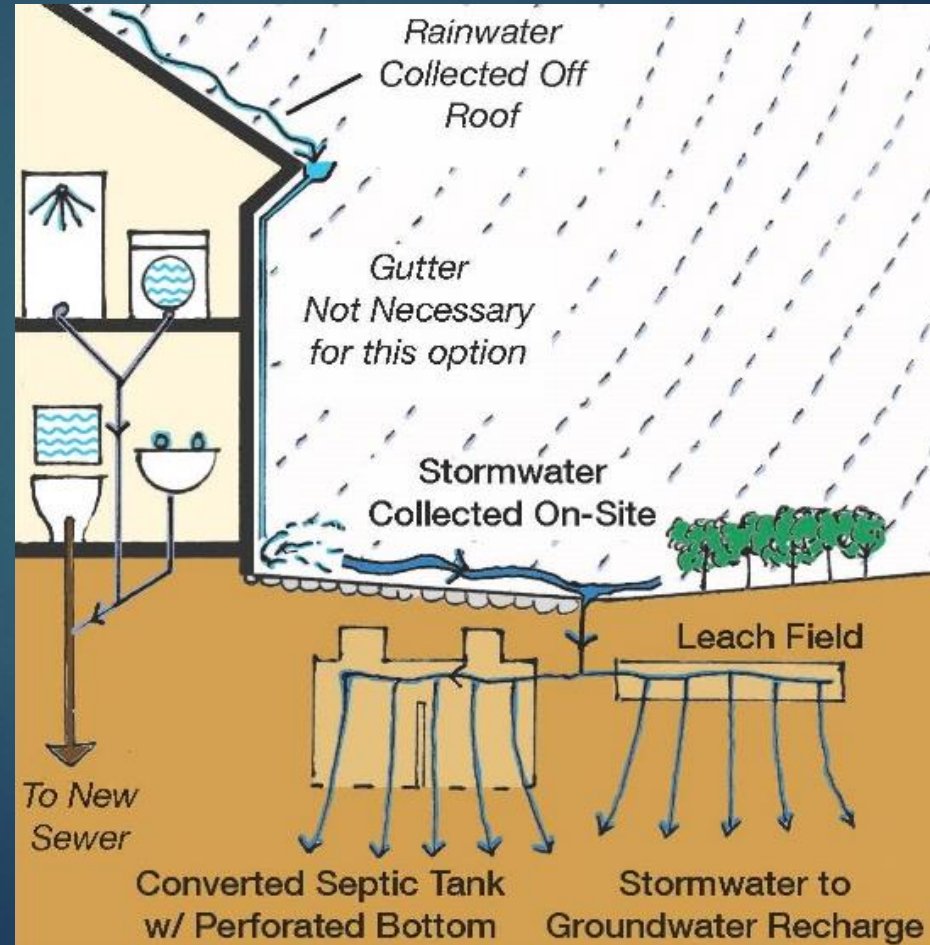
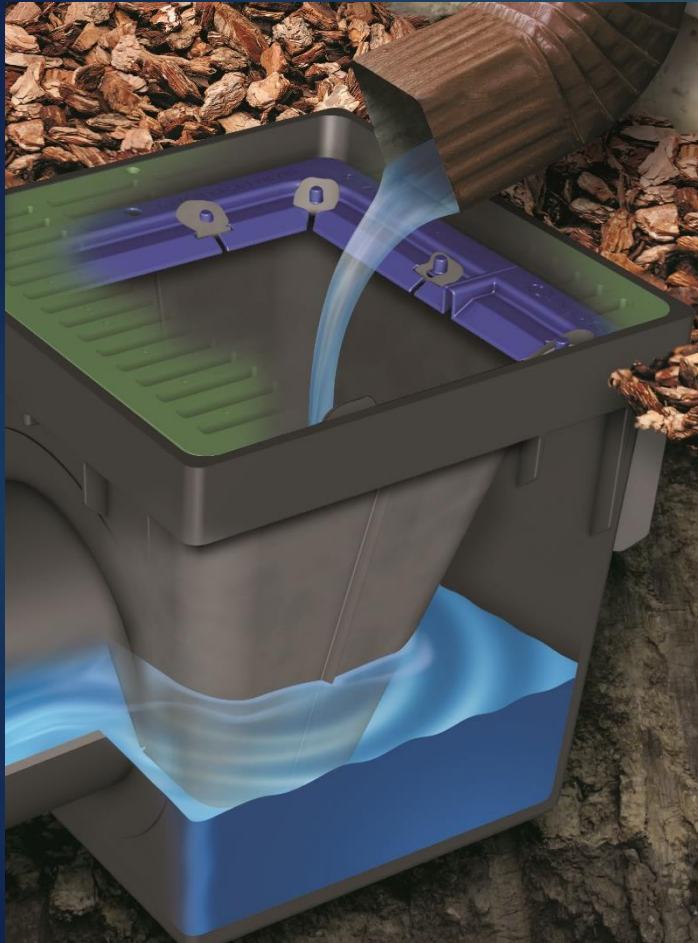


RE-USE OPTIONS:

Stormwater Infiltration



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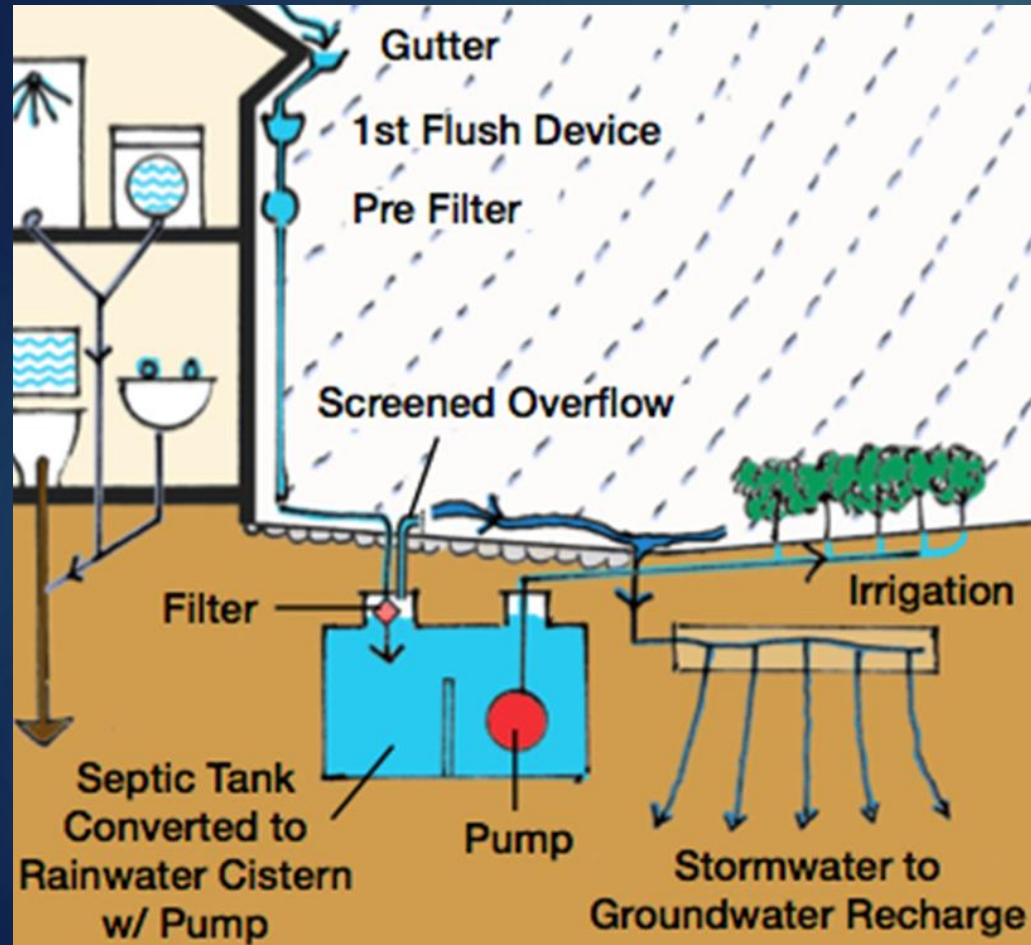


RE-USE OPTIONS:

Rainwater Harvesting



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► For irrigation use



RE-USE OPTIONS: Other Alternatives



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Appropriate Technology Guides

Application of appropriate technologies as described in these guides can improve our connection to water and maintenance of a healthy hydrologic cycle throughout San Luis Obispo and Santa Barbara Counties. **Printed copies of the guides are available for purchase (shipping included). Digital copies are available for free (but donations are welcome).**

Harvesting the Rain

San Luis Obispo - Coalition of Appropriate Technology's Guide to



Storage and Use
For San Luis Obispo and Santa Barbara County

Suggested donation: \$10.00

Rainwater Management

San Luis Obispo County Homeowner's Guide to



Low Impact Development

Suggested donation: \$10.00

SAN LUIS OBISPO GUIDE TO THE USE OF GRAYWATER



Guide to the Use of Greywater (SOLD OUT)

\$10

Harvesting the Rain - Storage and Use (PRINT)
\$13.00

Rain Management for Low Impact Developm...
\$13.00

slogreenbuild.org

- ▶ Rainwater use for toilet flushing
- ▶ Treated graywater
- ▶ Other combinations



RE-USE OPTIONS:

Next Steps

- ▶ Use the septic reuse guide
- ▶ Plan now
- ▶ Work with a professional



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Moving Forward

- ▶ Notices mailed ahead of start date
- ▶ More septic system reuse workshops
- ▶ Weekly office hours
- ▶ Financial Assistance
- ▶ Water Conservation Rebates
- ▶ Contractors are a resource – use them



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Thank you for Coming!



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